

CATAR, G.; ALBRECHTOVA, R.

2 cases of congenital toxoplasmosis demonstrated by the isolation
of a strain of Toxoplasma. Bratisl. lek. listy 42 no.7:424-428
'62:

1. Z Katedry biologie Lek. Fak. Univ. Komenskeho, prednosta prof.
MUDr. V. Vrsansky, a z Kliniky detskej a mozgovej chirurgie Lek.
fak. Univ. Komenskeho v Bratislave, prednosta doc. MUDr. J. Zucha.
(TOXOPLASMOSIS in inf & child)
(INFANT NEWBORN dis) (HYDROCEPHALUS etiol)

CATAR,G.; UMIJATI,Sri; TJIONG GICK PIN

Incidence of toxoplasmosis among the Indonesian population.
Bratisl lek. listy 44 no.5:257-261 '64.

1. Vyskumne laboratorium parazitologie pri Katedre biologie
Lek.fak. Univ. Komenskeho v Bratislave (vedouci: prof.dr.
V.Vrsansky) a Parazitologicky ustav Lek.fak.Univ. v Djakarte,
Indonezia (veduca: dr. Sri Umijati).

*

PAKAN, Jozef; HANDZO, Ivan; CATAR, Gustav.

Some factors of the internal environment in acute experimental toxoplasmosis. Biologia (Bratisl.) 19 no.4:245-256 '64.

1. Cathedra of the 2nd Clinic for Gynaecology and Obstetrics, Komensky University, Faculty of Medicine, and Research Laboratory for Parasitology, Cathedra for General Biology, Komensky University, Faculty of Medicine, Bratislava.

X

PONTUCH,A.; CATAR,G.; ELISCHEROVA, K.; BARDOS,A.; ZAJACOVA, E.; SKLOVSKA,M.;
SAPAK,K.; SZOLD,L.

Role of toxoplasmosis and listeriosis in the causes of premature
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v Bratislave (prednosta: prof. dr. S.Stefanik); Ved.lab.
paraz. Lek. fak. UK [University Komenskeho] v Bratislave a
Ustav epid. a mikrob. Lek. fak. UK [University Komenskeho] v
Bratislave (prednosta: doc.dr. J.Karolcek).

CATAR, G.; VALENT, M. Technicka spoluprava VANEKOVÁ, J.

Contribution to the biology and epidemiology of Trichomonas vaginalis. Cesk. derm. 40 no.2 10-114 Ap'65

1. Výskumné laboratorium parazitologie pri Katedre všeobecnej biologie Lekarskej fakulty University Komenskeho v Bratislave (vedúci: prof. dr. V. Vršanský).

CATAR, G.; KVASZ, L.; ZACHAR, M.

Positive complement fixation reaction for toxoplasmosis in patients in an obstetrical-gynecological department. Bratislavské lek. listy 44 no.8:478-484 '64.

1. Vyskumne laboratorium parazitologie pri Katedre lekarskej biologie lek. fak. Univerzity Komenskeho v Bratislave (veduci prof. MUDr. V. Vrsansky).

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Results of serological examination for toxoplasmosis and listeriosis
in women in the Šaľa region. Bratislavské lek. listy 44 no.10:615-620
30 N 1964

1. Výskumné laboratórium parazitologie pri Katedre lekarskej
biologie Lek. fakulty Univerzity Komenskeho v Bratislave
(veduci - prof. MUDr. V. Vršanský); Oblastičny ustav epidemi-
ologie a mikrobiologie v Bratislave (riaditeľ - doc. MUDr.
J. Karolček); Okresný ustav narodného zdravia v Galante, gyne-
kologicko-porodnicke oddelenie v Šali (veduci - MUDr. J. Vojtassák).

VALENT, M.; CATAR, G.; KORENOVA, J.; KLIMENT, V., doc. dr.

Experiences with metronidazol Spofa in the treatment of trichomoniasis. Cesk. gynek. 44 no.3:191-193 Ap'65.

1. Vyskumna labor. parazitologie pri katedre vseobecneho biologie (veduci: prof. dr. V. Vrsansky); katedra lekarskej mikrobiologie a imunologie (veduci: doc. dr. J. Stefanovic), Lekarske fakulty University Komenskeho, Bratislava, a Gyn. por. oddel MN-Mestkeho ustavu narodniho zdravi v Bratislave (veduci: doc. dr. V. Kliment).

HRASKO, L.; CATAR, G.

Experiences with the treatment of trichomoniasis with flagyl.
Bratisl. lek. listy 45 no.7:443-447 15 0 '65.

1. Katedra porodnictva a gynekologie Lek. fak. Univerzity Komenskeho v Bratislave (veduci prof. S. Stefanik) a Vyskumne laboratorium parazitologie a mykologie pri Katedre vseobecnej biologie Lek. fak. Univerzity Komenskeho v Bratislave (veduci prof. MUDr. V. Vrsansky).

CATAR, G., Bratislava, Sasinkova 4/a; VALENT, M.; KLIMENT, V.; DEAK, E.;
HUCOVIC, A.

Some parasitological problems in gynecology and obstetrics.
Cesk. gynek. 30 no.9:694-696 N '65.

1. Vyskum. labor. paraaitol. pri Katedre lèk. biol. Lekarske
fakulty Univerzity Komenskeho v Bratislave (veduci prof. dr.
V. Vrsansky), Gyn.-por. odd. Mestskeho ustavu narodniho zdravi
v Bratislave (veduci doc. dr. V. Kliment) a II. gyn.-por. klin.
Lekarske fakulty Univerzity Komenskeho v Bratislave (prednosta
doc. dr. A. Hudcovic).

CZECHOSLOVAKIA

CATAR, G., Doc. MUDr, CSc.; VALENT, M. GRÜNNER, L.; KUCHTA, V.

1. Parasitological Research Laboratory, Dept. of Biology,
Faculty of Medicine, Comenius Univ. (Vyakumne laboratorium
parazitologie pri Katedre biologie Lek. fak. Univerzity
Komenskeho), Bratislava (for Catar and ?); 2. State Baths
(Statne kupele), Lucky pri Ruzomberku (for Grünnner, Head, and ?)

Bratislava, Bratislavské lekarské listy, No 4, 28 Feb 67, pp 196-203

"On the transmission of trichomoniasis by thermal water."

(4)

CATAR, L., inz.

"Electronic constituent elements in automation engineering" by
Klaus Goette. Reviewed by L. Catar. Automatika 4 no.2:153 '63.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1

CATAR, L.

"Magnetic amplifier" by M. Gabler, J. Hraskovec, and E. Tomanek.
Reviewed by L. Catar. Automatika 4 no.3:209 '63.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1"

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ZELEZNIKAR, Anton, dipl. inz.; CATAR, Ladislav, inz.

Solving the problems of linear programming with the aid
of simplex method and digital computer. Automatika 4 no.
5/6 328-334 '63.

1. Nuklearni institut "Jozef Stefan", Ljubljana.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1

IONESCU, Nicolae, ing.; STAROSTE, Zew, ing.; CATARAU, Gheorghe; VASILACHE,
Gheorghe.

The concrete trade. Constr Buc 16 no.77083 10 0*64

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1"

CATAVEI, Fl.

Winding machines with grooved cylinders. Ind text Rum 14 no.1:
22-27 Ja '63.

1. Proiectant, "Metalurgica-Sibiu".

CATELLY, T.; MURESAN, S.

Behavior of the regionally adapted varieties of potatoes in the Ciuc Depression. Comunicarile AR 11 no.8:973-978 '61.

1. Comunicare prezentata de Al. Priadencu, membru corespondent al Academiei R.P.R.

CATHALA, J.

J. Inst. Petroleum
V. 39, Oct 1953
Refinery Operations

Refineries and Auxillary Refinery Plant

(1) Fuel

1983. Fluidization—unit operation of chemical engineering. J. Cathala. Combustibles (Zaragoza), 1962, 12, 323-32.—Theoretical analysis of principles of fluidization, quoting experimental results of other workers. Critical current density G_0 of fluidizing medium (i.e., mass velocity at which fluidization commences) is related to porosity (ϵ_0) of bed, sp.gr. (ρ) and visc. (μ) of fluid, sp.gr. (ρ') and particle size (d) of solid, by following relation:

$$G_0 = 0.005 \frac{\epsilon_0^3}{1 - \epsilon_0} \cdot (\rho' - \rho) \rho \cdot \frac{d^2}{\varphi^3} \frac{g}{\mu}$$

where φ is a factor introduced to allow for particle shapes other than spheres. Porosity of static beds is from 0.269 to 0.476 (depending on particle shape) and from 0.5 to 0.0 for fluidized beds.

A. C.

CATI, A.

"Marxist dialectic and modern science." Reviewed by A.
Cati. Constr mas 15 no. 9:664 S '63.

CATI, Amalia

"Science and technology during the period of transition of society from capitalism to communism" by V. Roman. Reviewed by Amalia Cat. Constr mas 15 no.4:336-337 Ap '63.

L 30767-66 EWP(j) RM

ACC NR: AP6020254

SOURCE CODE: RU/0003/65/016/11-/0583/0586

26
B

AUTHOR: Cati, Amalia; Buzatu, T.; Alecu, N.

ORG: "Gheorghe Gheorghiu-Dej" Polytechnical Institute, Bucharest (Institutul Politehnic "Gheorghe Gheorghiu-Dej")

TITLE: Evolution of chemical production in the Socialist Republic of Rumania

SOURCE: Revista de chimie, v. 16, no. 11-12, 1965, 583-586

TOPIC TAGS: chemical industry, industrial production

ABSTRACT: A summary of the achievements of the Rumanian chemical industry in the period 1950 through 1964. Investments in the chemical industry increased from 91 million lei in 1950 to 3,124 million lei in 1964, i.e., by 34 times, while investments in industry as a whole increased by 7 times during the same period. Figures are also presented to illustrate the relative growth of the principal sub-sectors of the chemical industry and the relative growth of Rumanian production as compared to that of other countries. Orig. art. has: 8 tables. [JPRS]

SUB CODE: 05, 07 / SUBM DATE: none / ORIG REF: 008

Card 1/1 JS

CATIC, Branko, ing. (Beograd, Hadzi Melentijeva 66)

Modern solutions in the exploitation of river shingle. Brodarstvo 3
no. 5/6:191-201 0 59 - Mr 60.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1

CATIC, Branko, ing. (Beograd, Hrdzi Milentijeva 66)

River transport according to time tables. Brodarstvo 4 no. 10:363-368
Ja-Mr 61.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1"

CATIC, Igor, inz.

The world production of synthetic products in 1961. Kem ind 11 no.10:
622-624 '62.

1. Tvornica metalne galanterije i pisacih pera, Zagreb.

CATIC, Igor, inz.

Plastic materials and their terminology. Kemija u industriji 11
no.4:212 '62.

CATIC, Igor, inz.

The world production of the most important plastics. Kem ind 11 no.11:
673-676 N '62.

1. Tvornica metalne galanterije i pisacih pera, Zagreb.

...CATIC, Igor, inz. (Zagreb)

Proposal for a uniform terminology in the processing of
plastics. Pt. 1. Kem ind 13 no. 1: 9-13 Ja '64.

Record cards for the injection casting molds. Ibid.: 21-23.

1. "MEGA", Zagreb (Sada:TOZ, Zagreb).

CATIC, Igor, inz.

Proposal for a uniform terminology in the processing
of plastics. Pt. 2. Kem ind 13 no.3:169-174 '64.

1. "MEGA", Zagreb, now: TOZ, Zagreb.

CATIC, Igor, inz.

Rapid dimensioning of anchored pins. Starojarstvo 5 no.7/8
3-8 '63.

CATIC, Kadir, inz.

Impregnation of building timber in the German Democratic Republic. Drevo 18 no. 112412-413 N°63.

1. Vyzkumny a vyvojovy ustav drevarsky, Praha.

CATIC, Slobodan

Transportation of Yugoslavia and the results of transportation
in the foreign trade exchange of goods for 9 months of 1961.
Medun transp 8 no.1:43-45 Ja '62.

CATIC, S.

Transport of Yugoslavia in the first half of 1962, with a special
emphasis on its realizations in international transport. Medium
transp 8 no.10:666-668 0 '62.

CATIC, S.

The international highway transport in the first half of 1962.
Medun transp 8 no.10:726-729 0 '62.

CATIC, S.

Transportation in Canada in 1961. Medun transp 9 no.1:19-21
Ja '63.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1

CATIC, S.

International highway transport in the 4th quarter of 1962.
Medun transp 9 no. 2:130-131 Fe '63.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1"

CATIC, S.

International highway transport in 1962. Medun transp 9 no.4:
256-260 Ap '63.

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CATIC, S.

International Federation of Forwarding Agents Association, and
participation of the Yugoslav forwarders in its operations,
Medun transp 9 no.5:296-299 My '63.

CATIC, S.

Maritime freight traffic in Yugoslavia in the first half
of 1963. Medun transp 9 no.10: 639-642 0'63.

CATIC, S.

An International conference on the prevention of sea pollution
by oil. Medun transp 9 no.128800-803 D '63

CATIC, S.

International road traffic in January-September 1963. Medun transp
10 no.1:50-53 Ja '64.

~~CATIC, S.~~

Participation of domestic and foreign forwarding agents
in the foreign trade of Yugoslavia. Medun transp 10 no.
2:91-93 F '64.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1

CATIC, S.

Economic justification of constructing the Koper-Divaca railroad
line. Medun transp 10 no.7:506-508 Jl '64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1"

CATIC, S.

Spring session of the executive Committee of the International
Federation of Forwarding Agents Associations in Antwerpen.
Medun transp 10 no.9:39-40 S '64.

CATIE, S.

Yugoslav transport to the first half of 1961. Mainly transp. to no. 10;
6-9 & 10.

Results scored in international road transport in the first half of
1961. Ibid., p. 33-36.

The spring session of the Executive Committee of the International
Federation of Forwarding Agents Association. Ibid., p. 50.

CATIC, S.

Reform and lowering of railroad rates in the U. S. S. R. from
January 1st, 1965. Medun transp 10 no.12:25-27 D '64.

The fall session of "International Federation of Forwarding
Agents Associations. Ibid. 148-49

Cantacuz. Th.

REMARKS

POPA, N., MD; SIBBANESCU, E., MD; CANTACUZ, TH., MD; ISWANI, George, Medical Adm.

The "Coltea" Polyclinic (Poliklinika "Coltea"). - (for all)

Bucharest, Vicet Medicula, No 9, 1 May 63, pp 603-610

"Aspects of the Morbidity from Cardiovascular Affections at
the Level of a District in the Capital of Bucharest."

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"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1

CATILINA, R.

Geological Surveying. Revista Minelor (Mining Journal), #11:364: Nov 55

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1"

CATILINA, R.

General problems concerning reserves of metalliferous ore deposits.p. 1^R.
(Revista Minelor, Vol. 8, No. 1, Jan. 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

9 (2)

CZECH/14-59-12-11/41

AUTHORS: Catkovsky, Jiri, Engineer, and Vavra, Zdenek

TITLE: A H.F. Converter for Transistor Receiving Sets

PERIODICAL: Sd<lovaci technika, 1959, Nr 12, pp 455-458

ABSTRACT: The purpose of this article is to show the way of designing a H.F. converter for transistor receiving sets. For the establishment of the characteristics of a transistor converter it is necessary to know the features of the transistor on the frequencies considered as well as of the other elements in the circuit. In order to calculate the amplification of the converter, the input and output impedances of the transistor and its amplification must be known. The amplification of the transistor is dependent on the current intensification on the I.F. The current intensification for a connection with the common emitter with a short circuit output and its dependence on the frequency is expressed in the following formulae:

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CZECH/14-59-12-11/41

A H.F. Converter for Transistor Receiving Sets

$$\beta = \frac{\beta_0}{1 + j \frac{f}{f_{oe}}} \quad \text{where } \beta \text{ is the current intensification}$$

cation in a connection with the common emitter for a given modulation frequency; β_0 the current intensification in a connection with the common emitter at f_{kc} ; f is the considered modulated frequency and f_{oe} the limiting frequency of the transistor in connection with a common emitter. The input impedance of a transistor type 156NU70 in a common connection with the common emitter with a short-circuit output is graphically illustrated in Fig 1. A and B mark the beginning and the end of the medium wave range. As the graph shows, the input impedance is lower at the end of the range than at its beginning. Fig 2 presents the circuit diagram of a H.F. converter (Zawels). According to the experiments made, the conditions for mixing are best when the oscillator's voltage is ✓

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CZECH/14-59-12-11/41

A H.F. Converter for Transistor Receiving Sets

about 100-200mv, ie. the ideal oscillator's voltage should be constant in the whole frequency range. It is also necessary that the frequency of the oscillator be constant with the collector's voltage and with the heat. A primary problem is how to achieve an adequate limiting frequency for the used transistor. For most of the 152NU70 types transistors, the limiting frequency is above 2mc, so that the limiting frequency of the oscillations is practically always above 3.5 mc. For common medium wave superheterodyne receivers, a single transistor is used very often in the input circuit and it operates at the same time as an oscillator and as converter. The problem of the power amplification of a converter must be solved. If the power amplification is to be increased, a transistor must be chosen with the highest possible limiting frequency and the lowest possible resistance. A typical connection for a self-oscillating converter is shown in Fig 3. This connection is per-

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CZECH/14-59-12-11/41

A H.F. Converter for Transistor Receiving Sets

fect for medium waves and I.F. in a range of about 450 kc, but it is not suitable for short waves. More expensive receivers usually have a separate oscillator and converter. The authors proceed dealing with the noise in the converters. This noise can be classified as follows: 1) the noise created directly in the signal source; 2) the HF noise of the input transferred by the converter to the MF; 3) the noise from the oscillator transferred by the converter to the I.F.; 4) The noise on the I.F. produced in the input circuit; 5) The noise on the I.F. produced in the output circuit. It is possible to control the noise in a transistor converter and to keep it at minimum even for high requirements. Concluding, the authors give a practical example for the design of a self-oscillating converter and express their gratitude to Engineer Philipp from the VUST (Research Institute for Telecommunication Technique) A.S. Popov for his assistance. There are 5 graphs, 3 circuit diagrams

Card 4/5

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CZECH/14-59-12-11/41

A H.F. Converter for Transistor Receiving Sets

and 5 references, 3 of which are US, 1 French and 1 German.

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Card 5/5

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1

CATLESKI, P.

New isolation materials. Elektroprivreda 14 no.7/8:415-416 J1-Ag '61.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1"

CATLOS, Dusan, inz.

~~New repair shop of electric locomotives in Vrutky. Zel dop tech 11~~
no.4:110-111 '63.

COUNTRY	:	Rumania	H-13
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 21 1959, No.	75501
AUTHOR	:	Constantinescu, F., Catoiu, E., and Ornstrat, L.	
ABST.	:	Not given	
TITLE	:	Experimental Studies on the Production of Soft Magnetic Ferrites	
ORIG. PUB.	:	Rev Chim, 9, No 7-8, 391-393, Discussion 393 (1958)	
ABSTRACT	:	The authors present results from experiments on the production of magnetic ferrites (MF) for filter chokes used in telephone communications in the frequency range 8-100 kc. The effect of the chemical composition and degree of purity of the starting material, its uniformity, type of thermal treatment and of the atmosphere of the furnace in which the treatment is carried out on the magnetoelectric properties of the Mg-Zn and Ni-Zn MF have been investigated. The best	

CARD: 1/3

COUNTRY	:	Rumania	H-13
CATEGORY	:		
ABC. JOUR.	:	RZKhim., No. 21 1959, No.	75501
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	results were obtained with Ni-Zn MF, the permeability of which attained 1,000 μ . It has been found that MF of identical composition can exhibit different characteristics depending on the type of process used. The contact surface between the oxide particles plays a decisive role. The specific surface area of the powder was found to be an objective parameter which permits the evaluation of the activity of the materials used. Measurements of the specific surface area, made	

CARD: 2/3

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COUNTRY : Rumania

H-13

CATEGORY :

ABS. JOUR. : RZKhim., No. 21 1959, No.

75501

EDITOR :

TRANSLATOR :

TITLE :

ORIG. PUB. :

ABSTRACT : with a fluorometer, have shown that its value varies for the different powders, depending on the processing to which they have been subjected, within the limits 5,000-12,000 cm²/gm. Mechanical mixing of the oxide powders assures uniformity of the mixtures, and its use is therefore recommended in place of the heretofore used thermal decomposition of mixtures of sulfates.

Ya. Matlis

CARD: 3/3

GATOIU, Elena; SEGARCIANU, T.

Some aspects of vanadate salt hydrolysis in the presence of phosphate ion. Rev chimie Min petr 13 no.6-19-23 de '64.

4

RUMANIA

TEODORESCU, St., Professor; GRIGORIU, V., MD; DRAGUSANU, I., MD;
NEGRILIANCU, V., MD; DUMITRESCU, A., MD.

Bucharest, Iziena, No 6, Nov-Dec 63, pp 529-534

"Organization of Control of Venereal Diseases and Widespread
Skin Diseases on the Building Sites in Bucharest."

(5)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1

CATOS, Pavao, inz. (Zagreb, Slovenska 9/II).

Modern installations. Elektrotehnika Hrv 4 no.1/2:43-45 '62.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308010017-1"

BASAGIC, E.; CATOVIC, S.; ZEC.R.

Our experiences with Ulcosan in the treatment of gastrointestinal ulcer. Med. arh. 18 no.6:57-68 N-D'64.

1. II. interni klinika Medicinskog fakulteta u Sarajevu (Sef:
Prof. dr. Miron Simic); Istrazivacka laboratorijska tvornica "Bos-
nalijek".

GHIROCOIASU, Cornel, ing.; RASIDDESCU, Stefan, ing.; CATRANGIU, Elena, ing.

Considerations on the possibilities of using butyl rubber. Industria
usoara 8 no.7:261-268 Jl '61.

CATRANI, G.

Dezinfectia veterinara; metodel si mijloace practice de aplicare. Buresti,
Agric-Silvica de Stat, 1955. 125 p. (Veterinary disinfection; methods and practical
means of application)

DA Not in DLC

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 3, March 1956

CATRANICI, I.

More definite, more serious and with full knowledge of
the case. Munca sindic 7 no.9:33-37 S '63.

I. Adjunct al sefului sectiei organizatorice a Consiliului
Central al Sindicatelor.

NEAGU, Maria; CATRINA, Elena

Behavior of some sunflower hybrids in F₁. Studii agr Timisoara 10
no.1:67-79 Ja-Je '63.

ROMANIA

G. BUGALEANU, G. CANTINA, SE. GRIGORE and N. ARVAT, Timiscara (Affiliation not given). "Contribution to the Knowledge of Species *Galinsoga parviflora* Cav and *G. quadriradiata* Ruiz et Pav." *Natura Seria Biologie*, Vol 14, No 6, Nov-Dec 1961; pp 17-24.

Bucharest, *Natura Seria Biologie*, Vol 14, No 6, Nov-Dec 1961; pp 17-24.
Abstract: English summary modified: Ecologic, historical, botanical, pharmacognostic and chemical analytical data are given for this plant widely used as fodder. Map, 2 tables, 2 illustrations of plants; 5 German and 17 Rumanian references.

1/1

CATRINA, I.

"Silvicultural means of fighting wind erosion". p. 118, (REVISTA
PADURILOR, Vol. 69, No. 3, Mar. 1954, Bucuresi, Rumania)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3,
No. 12, Dec. 1954, Unclassified.

CATRINA, I.; LUPE, I.

"Contributions to the Improvement of the Corridor Method in Shelter Belts." P.256.
(ANALELE ROMANO-SOVIETICE, Vol. 69, No. 6, June, 1954, Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

CATRINA, I.

"Shelter belts and their effect upon winds", p.119, (REVISTA PADURILOR,
Vol. 69, No. 10, Oct. 1954, Bucuresti, Rumania)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4,
April 1955, Uncl.

CATRINA, I.

Effect of shelter belts on microclimate. p. 395.
REVISTA PADURILOR. Bucuresti.
Vol. 70, no. 9, Sept. 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 2,
February 1956

CATRINA, I.

I-3

RUMANIA/Plant Physiology - Water Regime.

Abs Jour : Ref Zhur - Biol., No 6, 1958, 24661

Author : Georgescu S.S., Mocanu V.G., Catrina I.

Inst : "

Title : On the Study of Normal and Pathological Transpiration, Withering, and Moisture in Shoots, cut from Healthy and Damaged Black Pine.

Orig Pub : Bul. shtiint. Acad. RPR. Sec. biol. shi shtiintse agric. 1956, 8, No 4, 739-753

Abstract : The objects of study were black pines of the Mediash region fifty years old, 28-29 cm in diameter and 13-14 m in height. The variations in transpiration intensity (by the Huber-Ivanov method) were studied in shoots cut from healthy and artificially damaged (mostly through boring) trees. The curve of the daily course of transpiration intensity had at the end of the vegetation period only one maximum between 12 noon and 3 p.m. During the withering of the cut

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RUMANIA/Plant Physiology - Water Regime.

I-3

Abs Jour : Ref Zhur - Biol., No 6, 1958, 24661

shoots two phases were noted. During the first phase (from the fourth to the sixtieth minute after the shoots were cut) a sharp decrease took place in transpiration intensity, which the authors called "the traumatic transpiration shock". The second phase was characterized by a slow increase and then a gradual transpiration decrease; the maximum reached 3-4 hours after cutting. In trees in the initial phase of diminishing viability the shock of transpiration was stronger and in the next phase considerably weaker, than in healthy trees.

Card 2/2

COUNTRY : RUMANIA
CATEGORY : Forestry. Dendrology. K
ARS. JOUR. : RZhBiol., No. 3, 1959, No. 10763
AUTHOR : Georgescu, G. C., Catrina, I.
INST. : -
TITLE : A Study of the Normal and Pathological Physiology of the Black Pine Having the Symptoms of Withering.
ORIG. PUB. : Bul. stiint. Acad. RPR. Sec. biol. si stiinte agric. Ser. bot., 1957, 9, No. 2, 173-193.
ABSTRACT : During May and September 1954, in the region of Medias (Rumania), there was being determined the moisture content in the woody tissue of healthy trunks of black pine (50-60 years of age), the trunks being in different stages of withering, and also in the woody tissue of trees injured artificially. In the trees with crowns which have withered by 25%, there occurs an accumulation of moisture in the trunk attributable to a smaller amount of leaves while possessing a normally functioning root system. In the trees with crowns withered by 50 and 75%, the moisture content in the wood tissue decreases in comparison with

CARD: 1/3

CATRINA, I. - MOCANU, V.

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Rumania. Vol. 73, no. 9, Sept. 1958

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Uncl.

CATRINA, I.; GEORGESCU, C.

Researches in the normal and pathological physiology of healthy black pines, and of those with various degrees of withering. II Water dynamics in the wood of healthy trees, or of those on the way to withering. In French. p. 65

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Bucuresti, Rumania
Vol. 4, no. 1, 1959

Monthly list of Eastern European Accession Index (EEAI) to Vol. 8, No. 11
November 1959
Uncl.

CATRINA, I.

SURNAME (In caps); Given Name

Country: Rumania

Academic Degrees: -not given-

Affiliation: -not given-

Source: Bucharest, Comunicarile Academiei Republicii Populare Romine,
Vol 11, No 6, 1961, pp 701-709.

Data: "A Contribution on the Ecology of the Ligneous Associations
of the Danubian Steppe."

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Process of crown restoration and transpiration intensity in the spruce trees attacked by Lymantria monacha L. Studii cerc biol veget 13 no.4: 467-476 '61.

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CATRINA, I.; PANA, G.; BERGER, Vladimir, inz. [translator]

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no.3:96-98 Mr '63.

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CONSTANTINESCU, O., chemist

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biolog.; CONSTANTINESCU, O., chim.; CATHINA, I., ing.

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PIRVU, Eugen, ing.; CERNIATCHI, Andrei, tehn. BANCIU, Ion

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(EEAI 10:4)

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(Rhizosphere) (Fungi)

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Country : CZECHOSLOVAKIA
Category: Soil Science. Organic Fertilizers.

J

Abs Jour: RZhBiol., No 14, 1958, № 63106.

Author : Prat, S.; Catsky, J.; Melichar, O.

Inst :

Title : The Influence of Humus Materials (Oxyhumolite) on Plants.

Orig Pub: Acta Soc. bot Polon 1957, 26, No 2, 325-347

Abstract: The influence on plants of the friable sooty coals occurring in northern Czechoslovakia, popularly known as "Capuchins" and today called oxyhumolites, was studied. Some samples contain a great number of dust grains: a series of micro-elements (Mn, Cu, Cr, Ti and others). Free humic

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Country : CZECHOSLOVAKIA
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Abs Jour: RZhBiol., No 14, 1958, No 63106

acids occur in a quantity of 29-37%; those combined with Ca, from 10 to 35%. Doses of 3.6 and 9 kg/m² were studied. The application of oxy-humolite increases the moisture capacity of soils, but at the same time approximately doubles the stagnant water reserve. Some samples of humolite increase the crop yield, but they are inert and even inhibitory. In experiments with rice, the grain harvest increased by two or three times when oxy-humolite from Osvobozena was applied, and positive results were also obtained with carrots and other crops. -- Z.I. Zhurbitskiy

Card : 2/2

J-46

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p. 111 (Ceskoslovenska Biologie, Vol. 7, no. 2, 1958,
Praha, Czechoslovakia)

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September 1958

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related to leaf age in *Nicotiana sanderae* hort. *Biologia
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